Date: User

Thursday, 3/13/2008 10:25:14 AM

Kim Johnston

**Process Sheet** 

Customer

: CU-DAR001 Dart Helicopters Services

: 37968

Job Number **Estimate Number** 

: 12815

P.O. Number

: 3/13/2008 This Issue Prsht Rev.

: NC

First Issue Previous Run

: //

Type

S.O. No. :

: SMALL /MED FAB

: 35923

Checked & Approved By

Comment

Written By

: Est.

A 07.04.04 new issue

EC

**Drawing Name** 

: CHAFING SHIELD

**Part Number** 

**Drawing Number** 

: D3189 REV B

: D31893

Project Number

: N/A ; B

**Drawing Revision** Material

**Due Date** 

: 3/19/2008

Qty:

20 Um:

Each

**Additional Product** 

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

304/316 .020" Sheet

1.0

M304S25GA

0.2205 sf(s)/Unit Total:

4.4100 sf(s)

304/316 SS .020" Sheet

M3048 266A (M304925GA)

2.0

SHEAR

SHEAR



Comment: SHEAR

Comment: Qty.:

Cut to size as per Dwg D3189

SMALL FAB 1





Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Deburr & Grind Rads as per Dwg D3189

2-Roll as per Dwg D3189





4.0 QC5





Comment: INSPECT WORK TO CURRENT STEP

5.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:





| Dart Aerospa | ace | Ltd |
|--------------|-----|-----|
|--------------|-----|-----|

| W/O:    |      |                   | WC                   | RK ORDER CHANG               | ES    |        |         |             |                               | ,                        |
|---------|------|-------------------|----------------------|------------------------------|-------|--------|---------|-------------|-------------------------------|--------------------------|
| DATE    | STEP | PR                | OCEDURE CHAI         | NGE                          | E     | Зу     | Date    | Date Qty    | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
| ·       |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
| Part No | :    | PAR #:            | Fault Cate           | jory:                        | NCR:  | Yes (1 | DQ/     | 4: <u>D</u> | _ Date: <u> </u>              | QC Inspector             |
|         |      |                   |                      |                              |       |        |         | d:          | _ Date: _                     |                          |
| NCR:    |      |                   | WORK ORDE            | ER NON-CONFORMA              | NCE ( | NCR)   |         |             |                               |                          |
| DATE    | STEP | Description of NC |                      | Corrective Action Section    |       | Sign & | Verific |             | Approval                      |                          |
|         | J    | Section A         | Initial<br>Chief Eng | Action Description Chief Eng |       | Date   | Section | on C        | Date:                         | QC Inspector             |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |
|         |      |                   |                      |                              |       |        |         |             |                               |                          |

NOTE: Date & initial all entries

Date: User:: Thursday, 3/13/2008 10:25:14 AM

Kim Johnston

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: CHAFING SHIELD

Job Number: 37968

Part Number: D31893

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



m= 2008/3/18 (20)



| Dart Aerosp | ace | Ltd |
|-------------|-----|-----|
|-------------|-----|-----|

| W/O:    |      |        | WORK ORDER         | CHANGES     |         | ^       |     |                                     | · ·                    |
|---------|------|--------|--------------------|-------------|---------|---------|-----|-------------------------------------|------------------------|
| DATE    | STEP | PR     | OCEDURE CHANGE     | E           | Ву      | Date    | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approva<br>QC Inspecto |
| •       |      |        |                    |             |         |         |     |                                     |                        |
|         |      |        |                    |             |         |         |     |                                     |                        |
| -       |      |        |                    |             |         |         |     |                                     |                        |
|         |      |        |                    | ·           |         |         |     |                                     |                        |
|         |      |        |                    |             |         |         |     |                                     |                        |
| Part No | •    | PAR #: | Fault Category:    | NCR:        | Yes N   | lo DQ   | A:  | Date: _                             |                        |
|         |      |        |                    |             | QA: N/0 | C Close | ed: | _ Date: _                           |                        |
| NCR:    |      | 1      | WORK ORDER NON-COM | NFORMANCE ( | NCR)    |         |     |                                     |                        |

| NCR: |      | V                 | VORK ORD                             | PER NON-CONFORMANC           | E (NCR)                    |           |           |                          |
|------|------|-------------------|--------------------------------------|------------------------------|----------------------------|-----------|-----------|--------------------------|
|      |      | Description of NC | Corrective Action Section B Verifica |                              | Section B Verification App | Approval  | Approval  |                          |
| DATE | STEP | Section A         | Initial<br>Chief Eng                 | Action Description Chief Eng | Sign &<br>Date             | Section C | Chief Eng | Approval<br>QC Inspector |
|      |      |                   |                                      |                              |                            |           |           |                          |
|      |      |                   |                                      |                              |                            | ,         |           |                          |
|      |      |                   |                                      |                              |                            |           |           |                          |
|      |      |                   |                                      |                              |                            |           |           |                          |
|      |      |                   |                                      |                              |                            |           |           |                          |
|      |      |                   |                                      |                              |                            |           |           |                          |
|      |      |                   |                                      |                              |                            |           |           |                          |
|      |      |                   |                                      |                              |                            |           |           |                          |
|      |      |                   |                                      |                              |                            |           |           |                          |

NOTE: Date & initial all entries

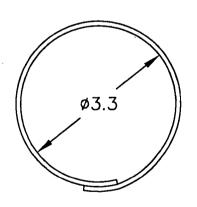


|       |       | •           |  |              |
|-------|-------|-------------|--|--------------|
| DESIG | " GP  | DRAWN BY    | DART AEROSPACE<br>HAWKESBURY, ONTARIO, CANAD |              |
| CHECK | (ED " | APPROVED // | DRAWING NO.                                  | REV. B       |
|       | -#    | . #         | D3189  | SHEET 1 OF 2 |
| DATE  |       |             | TITLE  | SCALE        |
| 07.0  | 1.05  |             | CHAFING SHIELD                               | 1:2          |
| Α     |       | 03.05.08    | NEW ISSUE                                    |              |
| В     |       | 07.01.05    | ADD -3                                       | !            |

RELEASED

07.03.27

| <b>1</b>  | 11.25       |                 |
|-----------|-------------|-----------------|
|           |             |                 |
|           |             |                 |
|           | A           | 4.13            |
|           |             |                 |
| D3189-1 F | LAT PATTERN | R0.063<br>(TYP) |



D3189-1 ROLLING DETAIL NOT TO SCALE

> SHOP COPY ENGINEERING

## D3189-1 CHAFING SHIELD

- 1) MATERIAL: AISI 304/316 SS 0.020" THICK (REF. DART SPEC M304S25GA)CONTROLLED COPY SUBJECT TO AMENDMENT
- 2) FINISH: NONE
- 3) DEBURR/BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

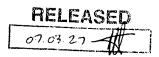
RETURN TO

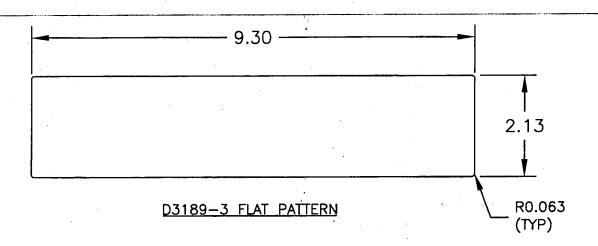
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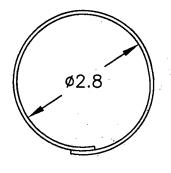
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|-------------|-----------------|----------------------|----------------------|------|-------|--------|
| CHECKED 14/ | APPROVED //     | DRAWING NO.          |                      |      |       | REV. B |
| <b>H</b>    | <del>-   </del> | D3189                | ٠.                   |      | SHEET | 2 OF 2 |
| DATE        |                 | TITLE                |                      | , f. | ).    | SCALE  |
| 07.01.05    |                 | CHAFING SHIEL        | _D ·                 |      | j     | 1:2    |







D3189-3 ROLLING DETAIL NOT TO SCALE

D3189-3 CHAFING SHIELD

1) MATERIAL: AISI 304/316 SS 0.020" THICK (REF. DART SPEC M304S25GA) NCO AROLLED COPY SUBIL TO AMENDMENT 2) FINISH: NONE

3) DEBURR/BREAK ALL SHARP EDGES 0.005 TO 0.010

4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

5) ALL DIMENSIONS ARE IN INCHES

SHOP COPY RETURN TO ENGINERRING

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